LISTING OF THE CLAIMS

Docket No.: 82153(303989)

Claims

1. (Currently Amended) A bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof:

$$A = \prod_{i=1}^{N} Y + \prod_{i=1}^{N} X + \prod_{j=1}^{N} P^{j}$$
 (1)

wherein

A represents

$$Q_{2} \longrightarrow Q_{1} \longrightarrow Q_{2} \longrightarrow Q_{2} \longrightarrow Q_{3} \longrightarrow Q_{4} \longrightarrow Q_{5} \longrightarrow Q_{5$$

wherein

 Q_1 and Q_4 independently represent <u>a</u> direct bond or methylene;

 Q_2 represents CHR², or CO,

Q₃ represents CHR³, or CO, CHOH

wherein

 R^2 represents hydrogen, hydroxy, $C_{1\text{-}6}$ alkoxy, $C_{1\text{-}6}$ alkanoyloxy, or $C_{1\text{-}6}$ alkyl optionally substituted by hydroxy, $C_{1\text{-}6}$ alkoxy, $C_{1\text{-}6}$ alkanoyloxy or mono-, di-, or tri- halogen;

 R^3 represents hydrogen, hydroxy, C_{1-6} alkoxy, C_{1-6} alkanoyloxy, or C_{1-6} alkyl optionally substituted by hydroxy, C_{1-6} alkoxy, C_{1-6} alkoxy, or mono, di, or tri-halogen;

with the proviso that

 Q_1 and Q_4 can not be direct bond at the same time;

R² and R³ can not be hydrogen at the same time;

when Q₁ represents direct bond,

R³ represents hydroxy, C₁₋₆ alkoxy or C₁₋₆ alkanoyloxy;

Q₅ represents CH or CR⁵,

wherein

R⁵ represents hydroxy, C₁₋₆ alkoxy, C₁₋₆ alkanoyloxy,

or $C_{1\text{-}6}$ alkyl optionally substituted by hydroxy, $C_{1\text{-}6}$ alkanoyloxy or mono-, di-, or trihalogen;

Docket No.: 82153(303989)

 Q_6 represents CH or CR^6 ,

wherein

R⁶ represents hydroxy, C₁₋₆ alkoxy, C₁₋₆ alkanoyloxy,

or C_{1-6} alkyl optionally substituted by hydroxy, C_{1-6} alkoxy, C_{1-6} alkanoyloxy or mono-, di-, or trihalogen;

with the proviso that Q_5 and Q_6 can not be CH at the same time;

m represents an integer from 0 to 3;

p represents an integer 0 or 1;

-X- represents a bond, -O- or - $N(R^4)$ -,

wherein

R⁴ represents hydrogen or C₁₋₆ alkyl,

with the proviso that when m is 0, -X- represents a bond; and

-Y- represents CH₂, O or NH; and

R¹ represents aryl or heteroaryl,

wherein

said aryl and heteroaryl are optionally substituted with one or more substituents independently selected from the group consisting of halogen, nitro, hydroxy, carboxy, cyano, amino, N-(C_{1-6} alkyl)amino, N,N-di(C_{1-6} alkyl)amino, N-(C_{3-8} cycloalkyl)amino, C_{1-6} alkoxycarbonyl, sulfon-amide, C_{1-6} alkanoyl, N-(C_{1-6} alkanoyl)amino, carbamoyl, C_{1-6} alkyl-carbamoyl, C_{3-8} acycloalkyl, heterocycle,

C₁₋₆ alkyl wherein said alkyl is optionally substituted by cyano, nitro, hydroxy, carboxy, amino, C₁₋₆ alkoxycarbonyl or mono-, di, or tri-halogen,

Docket No.: 82153(303989)

C₁₋₆ alkoxy wherein said alkoxy is optionally substituted by mono-, di-, or tri- halogen,

C₁₋₆ alkylthio wherein said alkylthio is optionally substituted by mono-, di-, or tri- halogen,

phenyl, benzyl and phenoxy,

wherein said phenyl, phenyl moiety of said benzyl or phenyl moiety of said phenoxy are optionally substituted by halogen, nitro, hydroxy, carboxy, amino, N-(C_{1-6} alkyl)amino, N,N-di(C_{1-6} alkyl)amino, N-(C_{3-8} cycloalkyl)amino, C_{1-6} alkoxycarbonyl, C_{1-6} alkoxycarbonyl or C_{1-6} alkyl.

2. (Currently Amended) The bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1,

wherein

A represents

$$Q_3$$
 Q_2
 Q_1
or Q_5

 Q_1 and Q_4 represent methylene;

Q₂ represents CHR² or CO,

wherein

 R^2 represents hydrogen, hydroxy, C_{1-6} alkoxy, C_{1-6} alkanoyloxy or C_{1-6} alkyl optionally substituted by mono-, di-, or tri- halogen;

Q₃ represents CHR³ or CO, CHOH

wherein

R³ represents hydroxy, C₁₋₆ alkoxy, C₁₋₆ alkanoyloxy, or C₁₋₆ alkyl optionally substituted by mono-, di-, or tri- halogen;

- Q₅ represents CH;
- Q_6 represents CR^6 ,

wherein

 R^6 represents hydroxy, C_{1-6} alkoxy, C_{1-6} alkanoyloxy, or C_{1-6} alkyl optionally substituted by mono-, di-, or tri- halogen;

Docket No.: 82153(303989)

- m represents an integer from 0 to 3;
- p represents an integer 0 or 1;
- -X- represents a bond, -0- or $-N(R^4)$ -,

wherein

 R^4 represents hydrogen or C_{1-6} alkyl,

with the proviso that when m is 0, -X- represents a bond;

- -Y- represents CH2, O or NH; and
- R¹ represents phenyl, naphthyl, pyridyl, or pyrimidyl,

wherein

said phenyl, naphthyl, pyridyl or pyrimidyl are optionally substituted with one or more substituents independently selected from the group consisting of halogen, nitro, hydroxy, carboxy, cyano, amino, N-(C_{1-6} alkyl)amino, N,N-di(C_{1-6} alkyl)amino, N-(C_{3-8} cycloalkyl)amino, C_{1-6} alkoxycarbonyl, sulfonamide, C_{1-6} alkanoyl, N-(C_{1-6} alkanoyl)amino, carbamoyl, C_{1-6} alkyl-carbamoyl, C_{3-8} cycloalkyl, heterocycle,

 C_{1-6} alkyl wherein said alkyl is optionally substituted by cyano, nitro, hydroxy, carboxy, amino, C_{1-6} alkoxycarbonyl or mono-, di-, or tri-halogen,

 C_{1-6} alkoxy wherein said alkoxy is optionally substituted by mono-, di-, or trihalogen,

C₁₋₆ alkylthio wherein said alkylthio is optionally substituted by mono-, di-, or trihalogen,

phenyl, benzyl and phenoxy,

wherein said phenyl, phenyl moiety of said benzyl or phenyl moiety of said phenoxy are optionally substituted by halogen, nitro, hydroxy, carboxy, amino, $N-(C_{1-6}alkyl)$ amino, $N,N-di(C_{1-6}alkyl)$ amino, $N-(C_{3-8}cycloakyl)$ amino, C_{1-6} alkoxy-carbonyl, C_{1-6} alkoxy-carbonyl or C_{1-6} alkyl.

6

3. (Withdrawn) The bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1,

wherein

A represents

 Q_1 represents methylene;

Q₄ represents direct bond;

 Q_2 represents CHR^2 or CO,

wherein

 R^2 represents hydroxy, C_{1-6} alkoxy or C_{1-6} alkanoyloxy;

 Q_3 represents CHR³,

wherein

R³ represents hydrogen;

m represents an integer from 0 to 3;

p represents an integer 0 or 1;

-X- represents a bond, -O- or $-N(R^4)$ -,

wherein

R⁴ represents hydrogen or C₁₋₆ alkyl,

with the proviso that when m is 0, -X- represents a bond;

-Y- represents CH₂, O or NH; and

R¹ represents phenyl, naphthyl, pyridyl, or pyrimidyl,

wherein

said phenyl, naphthyl, pyridyl or pyrimidyl are optionally substituted with one or more substituents independently selected from the group consisting of halogen, nitro, hydroxy, carboxy, cyano, amino, $N-(C_{1-6}alkyl)$ amino, $N,N-di(C_{1-6}alkyl)$ amino, $N-(C_{3-8}$ cycloalkyl)amino, $C_{1-6}alkoxy$ carbonyl, sulfonamide, C_{1-6}

alkanoyl, N-($C_{1\text{-}6}$ alkanoyl)amino, carbamoyl, $C_{1\text{-}6}$ alkylcarbamoyl, $C_{3\text{-}8}$ cycloalkyl, heterocycle,

Docket No.: 82153(303989)

 C_{1-6} alkyl wherein said alkyl is optionally substituted by cyano, nitro, hydroxy, carboxy, amino, C_{1-6} alkoxycarbonyl or mono-, di-, or tri-halogen,

C₁₋₆ alkoxy wherein said alkoxy is optionally substituted by mono, di-, or tri- halogen,

C₁₋₆ alkylthio wherein said alkylthio is optionally substituted by mono-, di-, or tri- halogen,

phenyl, benzyl and phenoxy,

wherein said phenyl, phenyl moiety of said benzyl or phenyl moiety of said phenoxy are optionally substituted by halogen, nitro, hydroxy, carboxy, amino, N- $(C_{1-6}$ alkyl)amino, N,N-di $(C_{1-6}$ alkyl)amino, N- $(C_{3-8}$ cycloalkyl)amino, C_{1-6} alkoxycarbonyl, C_{1-6} alkoxycarbonyl or C_{1-6} alkyl.

4. (Currently Amended) The bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1,

wherein

A represents

 Q_1 and Q_4 represents methylene;

Q₂ represents CHR2,

wherein

R² represents hydrogen;

 Q_3 represents $\frac{CHR^3}{}$, CHOH

wherein

R³ represents hydrogen, hydroxy, C₁₋₆alkoxy or C₁₋₆ alkanoyloxy;

m represents an integer from 0 to 3;

- p represents an integer 0 or 1;
- -X- represents a bond, -O- or $-N(R^4)$ -,

wherein R^4 is hydrogen or C_{1-6} alkyl,

with the proviso that when m is 0, -X- represents a bond;

- -Y- represents CH₂, O or NH; and
- R¹ represents phenyl, naphthyl, pyridyl, or pyrimidyl,

wherein

said phenyl, naphthyl, pyridyl or pyrimidyl are optionally substituted with one or more substituents independently selected from the group consisting of halogen, nitro, hydroxy, carboxy, cyano, amino, N-(C_{1-6} alkyl)amino, N,N-di(C_{1-6} alkyl)amino, N-(C_{3-8} cycloalkyl)amino, C_{1-6} alkoxycarbonyl, sulfonamide, C_{1-6} alkanoyl, N-(C_{1-6} alkanoyl)amino, carbamoyl, C_{1-6} alkylcarbamoyl, C_{3-8} acycloalkyl, heterocycle,

Docket No.: 82153(303989)

 C_{1-6} alkyl wherein said alkyl is optionally substituted by cyano, nitro, hydroxy, carboxy, amino, C_{1-6} alkoxycarbonyl or mono-, di-, or tri-halogen,

 C_{1-6} alkoxy wherein said alkoxy is optionally substituted by mono-, di-, or tri- halogen,

 C_{1-6} alkylthio wherein said alkylthio is optionally substituted by mono-, di-, or tri- halogen,

phenyl, benzyl and phenoxy,

wherein said phenyl, phenyl moiety of said benzyl or phenyl moiety of said phenoxy are optionally substituted by halogen, nitro, hydroxy, carboxy, amino, N-(C_{1-6} alkyl)amino, N,N-di(C_{1-6} alkyl)amino, N-(C_{3-8} cycloalkyl)amino, C_{1-6} alkoxy-carbonyl, C_{1-6} alkoxy-carbonyl or C_{1-6} alkyl.

5. (Withdrawn) The bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1,

wherein

A represents

Docket No.: 82153(303989)

 Q_1 and Q_4 represent methylene;

 Q_2 represents CHR²,

wherein

 R^2 represents hydroxy, C_{1-6} alkoxy or C_{1-6} alkanoyloxy;

 Q_3 represents CHR³,

wherein

R³ represents hydrogen;

- m represents an integer from 1 to 3;
- p represents 0 or 1;
- -X- represents a bond, -O- or - $N(R^4)$ -,

wherein

R⁴ is hydrogen or C1-6 alkyl,

with the proviso that when m is 0, -X- represents a bond;

- -Y- represents CH₂, O or NH; and
- R¹ represents phenyl, naphthyl, pyridyl, or pyrimidyl,

wherein

said phenyl, naphthyl, pyridyl or pyrimidyl are optionally substituted with one or more substituents independently selected from the group consisting of halogen, nitro, hydroxy, carboxy, cyano, amino, N-(C_{1-6} alkyl)amino, N,N-di(C_{1-6} alkyl)amino, N-(C_{3-8} cycloalkyl)amino, C_{1-6} alkoxycarbonyl, sulfonamide, C_{1-6} alkanoyl, N-(C_{1-6} alkanoyl)amino, carbamoyl, C_{1-6} alkylcarbamoyl, C_{3-8} cycloalkyl, heterocycle,

- C_{1-6} alkyl wherein said alkyl is optionally substituted by cyano, nitro, hydroxy, carboxy, amino, C_{1-6} alkoxycarbonyl or mono-, di-, or tri-halogen,
- C₁₋₆ alkoxy wherein said alkoxy is optionally substituted by mono-, di-, or tri- halogen,
- C₁₋₆ alkylthio wherein said alkylthio is optionally substituted by mono-, di-, or tri- halogen,

phenyl, benzyl and phenoxy,

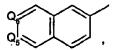
wherein said phenyl, phenyl moiety of said benzyl or phenyl moiety of said phenoxy are optionally substituted by halogen, nitro, hydroxy, carboxy, amino, N- $(C_{1-6}$ alkyl)amino, N- $(C_{3-8}$ acycloalkyl)amino, C_{1-6} alkoxycarbonyl, C_{1-6} alkoxycarbonyl or C_{1-6} alkyl.

Docket No.: 82153(303989)

6. (Withdrawn) The bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1,

wherein

A represents



Q₅ represents CH;

Q₆ represent CR₆,

wherein

 R^6 represents hydroxy, C_{1-6} alkoxy, C_{1-6} alkanoyloxy, or $C_{1.6}$ alkyl optionally substituted by hydroxy, C_{1-6} alkoxy or C_{1-6} alkanoyloxy;

m represents an integer from 0 to 3;

p represents an integer 0 or 1;

-X- represents a bond, -O- or $-N(R^4)$ -,

wherein

R⁴ represents hydrogen or C₁₋₆ alkyl,

with the proviso that when m is 0, -X- represents a bond;

-Y- represents NH, 0 or CH₂; and

R¹ represents phenyl, naphthyl, pyridyl, or pyrimidyl,

wherein

said phenyl, naphthyl, pyridyl, or pyrimidyl are optionally substituted by one or two of substituents selected from the group consisting of halogen, nitro, $C_{1\text{-}6}$ alkyl, trifluoro $C_{1\text{-}6}$ alkyl, $C_{1\text{-}6}$ alkoxy, trifluoro $C_{1\text{-}6}$ alkoxy and $C_{1\text{-}6}$ alkanoylamino.

Docket No.: 82153(303989)

7. (Withdrawn) The bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1,

wherein

A represents

$$Q_2$$
 Q_3
 Q_4
 Q_5
 Q_5
 Q_5
 Q_5

 Q_1 and Q_4 represents methylene;

 Q_2 represents CHR²,

wherein

R² represents hydrogen;

 Q_3 represents CHR³,

wherein

 R^3 represents hydrogen, hydroxy, C_{1-6} alkoxy or C_{1-6} alkanoyloxy;

Q₅ represents CH;

Q₆ represents CR⁶,

wherein

R⁶ represents hydroxy;

m represents an integer 2;

p represents an integer 0;

-X- represents a bond, -O- or $-N(R^4)$ -,

wherein

 R^4 is hydrogen or C_{1-6} alkyl,

with the proviso that when m is 0, -X- represents a bond;

-Y- represents NH or 0; and

R¹ represents phenyl, naphthyl, pyridyl, or pyrimidyl,

wherein

said phenyl, naphthyl, pyridyl, or pyrimidyl are optionally substituted by one or two of substituents selected from the group consisting of chloro, bromo, fluoro, nitro, methyl, methoxy, trifluoromethyl, trifluoromethyl, trifluoromethoxy, trifluoroethoxy, acetamido and propionylamino.

Docket No.: 82153(303989)

8. (Previously Presented) The bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a salt thereof as claimed in claim 1, wherein said bicyclic amide, carbamate or urea derivative of formula (I) is selected from the group consisting of:

N-(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-y1)-N'-[4-(tifluoromethyl)benzyl]urea;

4-(trifluoromethyl)benzyl(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-y1)carbamate;

N-(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-y1)-3-[4-(trifluoromethyl)phenyl]propanamide;

N-(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-y1)-N'-(2-{[4-(trifluoromethyl)phenyl]-amino) ethyl)urea;

N-(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-y1)-N'-{2-[4-(trifluoromethyl)phenoxy]-ethyl} urea;

2-{[4-(trifluoromethyl)phenyl]amino}ethyl(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-yl)carbamate;

2-[4-(trifluoromethyl)phenoxy]ethyl(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-yl)carbamate; and

N-[4-chloro-3-(trifluoromethyl)phenyl]-N'-(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-vl)urea;

N-(2-{[4-chloro-3-(trifluoromethyl)phenyl]amino}ethyl)-N'-(7-hydroxy-5,6,7,8-tetrahydro-naphthalen-2-yl)urea;

N-{2-[4-chloro-3-(trifluoromethyl)phenoxy]ethyl}-N'-(7-hydroxy-5,6,7,8-tetrahydronaphthalen-2-yl)urea;

 $N-(2-\{[4-chloro-3-(trifluoromethyl)phenyl]amino\}ethyl)-N'-(6-hydroxy-5,6,7,8-tetrahydronaphthalen-2-y1)urea; and$

 $N-\{2-[4-chloro-3-(trifluoromethyl)phenoxy]ethyl\}-N'-(6-hydroxy-5,6,7,8-tetrahydronaphthalen-2-yl)urea$

9. (Previously Presented) A pharmaceutical composition comprising a bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1 as an active ingredient.

10. (Previously Presented) A pharmaceutical composition as claimed in claim 9, further comprising one or more pharmaceutically acceptable excipients.

Docket No.: 82153(303989)

- 11. (Previously Presented) A pharmaceutical composition as claimed in claim 9, wherein said bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof is a VR1 antagonist.
- 12. (Withdrawn) A method for the treatment and/or prevention of an urological disorder or disease comprising administering to a subject in need thereof a therapeutically effective amound of at least one bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1.
- 13. (Withdrawn) The method as claimed in claim 12, wherein said urological disorder or disease is urge urinary incontinence or overactive bladder.
- 14. (Withdrawn) A method for the treatment and/or prevention of pain comprising administering to a subject in need thereof a therapeutically effective amound of at least one bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1.
- 15. (Withdrawn) The method as claimed in claim 14, wherein said pain is chronic pain, neuropathic pain, postoperative pain, or rheumatoid arthritic pain.
- 16. (Withdrawn) A method for the treatment and/or prevention of a disorder or disease related to paincomprising administering to a subject in need thereof a therapeutically effective amound of at least one bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1.
- 17. (Withdrawn) The method as claimed in claim 16, wherein said disorder or disease related to pain is neuralgia, neuropathies, algesia, nerve injury, ischaemia, neurodegeneration, or stroke.
- 18. (Withdrawn) A method for the treatment and/or prevention of an inflammatory disorder or disease comprising administering to a subject in need thereof a therapeutically effective amound of at least one bicyclic amide, carbamate or urea derivative of formula (I), its tautomeric or stereoisomeric form, or a physiologically acceptable salt thereof as claimed in claim 1.
- 19. (Withdrawn) The method as claimed in claim 18, wherein said inflammatory disorder or disease is asthma or COPD.

Claims 20-25. (Canceled).